

Environmental Protection Agency

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Subpart D—Alkaline Mine Drainage

§ 434.40 Applicability; description of the alkaline mine drainage subcategory.

The provisions of this subpart are applicable to alkaline mine drainage from an active mining area resulting from the mining of coal of any rank including, but not limited to, bituminous, lignite, and anthracite.

§ 434.41 [Reserved]

§ 434.42 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30–125.32, 40 CFR 401.17, and §§ 434.61 and 434.63 of this part, the following limitations establish the concentration or quality of pollutants which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available:

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentration in mg/l	
Iron, total	7.0	3.5
TSS	70.	35.
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0 at all times.

§ 434.43 Effluent limitations guidelines representing the degree of effluent reduction attainable by application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30–125.32, and §§ 434.61 and 434.63 of this part, the following limitations establish the concentration or quality of pollutants which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentration in mg/l	
Iron, total	7.0	3.5

§ 434.44 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]

§ 434.45 New source performance standards (NSPS).

Except as provided in 40 CFR 401.17 and §§ 434.61 and 434.63 of this part, the following new source performance standards shall be achieved for any discharge from a new source subject to this subpart:

NSPS EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentration in mg/l	
Iron, total	6.0	3.0
TSS	70.0	35.0
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0 at all times.

Subpart E—Post-Mining Areas

§ 434.50 Applicability.

The provisions of this subpart are applicable to discharges from post-mining areas, except as provided in subpart H—Western Alkaline Coal Mining of this part.

[67 FR 3406, Jan. 23, 2002]

§ 434.51 [Reserved]

§ 434.52 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

(a) *Reclamation areas.* The limitations in this subsection apply to discharges from reclamation areas until the performance bond issued to the facility by

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the appropriate SMCRA authority has been released.

Except as provided in 40 CFR 125.30–125.32, 40 CFR 401.17 and §§ 434.61 and 434.63(d)(2) of this part, the following limitations establish the concentration or quality of pollutants which may be discharged by a point source subject to the provisions of this subsection after application of the best practicable control technology currently available:

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Limitations
Settleable Solids	0.5 ml/l maximum not to be exceeded.
pH	(¹)

¹ Within the range 6.0 to 9.0 at all times.

(b) *Underground mine drainage.* The limitations in this subsection apply to discharges from the underground workings of underground mines until SMCRA bond release.

(1) Except as provided in 40 CFR 125.30–125.32, 40 CFR 401.17 and §§ 434.61, 434.62 and 434.63 of this part, the following limitations establish the concentration or quality of pollutants in acid or ferruginous mine drainage subject to the provisions of this subsection after application of the best practicable control technology currently available:

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentration in mg/l	
Iron, total	7.0	3.5
Manganese, total	4.0	2.0
TSS	70.0	35.0
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0 at all times.

(2) Except as provided in 40 CFR 125.30–125.32, 40 CFR 401.17, and §§ 434.61 and 434.63 of this part, the following limitations establish the concentration or quality of pollutants in alkaline mine drainage subject to the provisions of this subsection after application of the best practicable control technology currently available:

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BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentration in mg/l	
Iron, total	7.0	3.5
TSS	70.0	35.0
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0 at all times.

§ 434.53 Effluent limitations guidelines representing the degree of effluent reduction attainable by application of the best available technology economically achievable (BAT).

(a) *Reclamation areas.* The limitations of this subsection apply to discharges from reclamation areas until SMCRA bond release.

Except as provided in 40 CFR 125.30–125.32, and §§ 434.61 and 434.63(d)(2) of this part, the following limitations establish the concentration or quality of pollutants which may be discharged by a point source subject to the provisions of this subsection after application of the best available technology economically achievable:

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Limitations
Settleable solids	0.5 ml/l maximum not to be exceeded.

(b) *Underground mine drainage.* The limitations in this subsection apply to discharges from the underground workings of underground mines until SMCRA bond release.

(1) Except as provided in 40 CFR 125.30–125.32, and §§ 434.61, 434.62, and 434.63 of this part, the following limitations establish the concentration or quality of pollutants in acid or ferruginous mine drainage subject to the provisions of this subsection after application of the best available technology economically achievable: